

DO NOT DEVIATE FROM THIS DESIGN WITHOUT HEADQUARTERS AUTHORIZATION!

(see "Certify Installation" section of the Commissioning Guide if local installation requires deviation from this design)

Read all text boxes in this document and the entire Commissioning Guide before starting installation!

Meetinghouse A/V Wiring Installer Quick Sheet

(Emtech AVDH-1)

23 February 2013

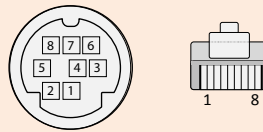
Note:

The camera is to be installed at the back of the Chapel at approximately 8' above floor. Before installing camera, consult with the local FM to determine camera placement (e.g. which side of chapel)

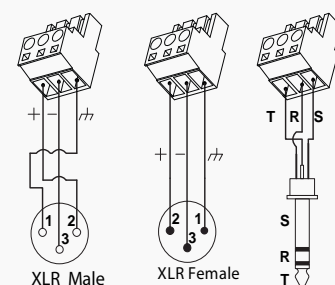
Note:

The AVDH-1 is not S-Video capable, only the composite output is to be used.

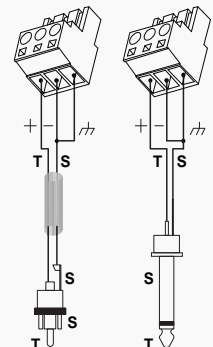
AVDH-1 RJ-45 to Sony VISCA Pinouts



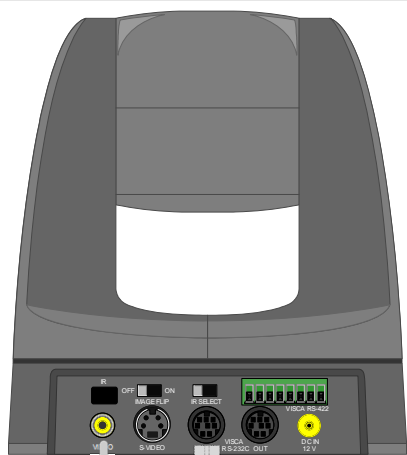
Balanced Audio Pinouts



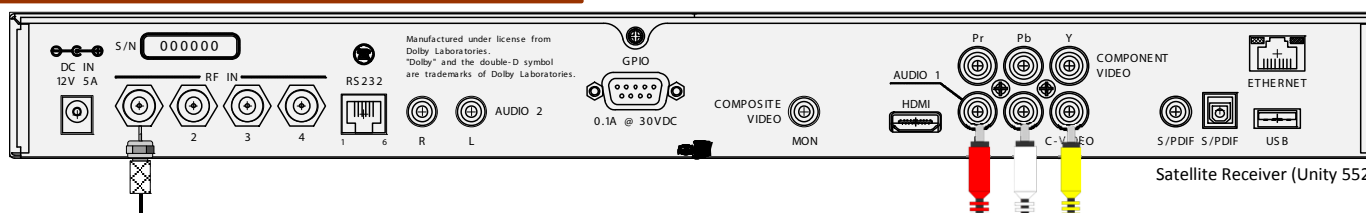
Unbalanced Audio Pinouts



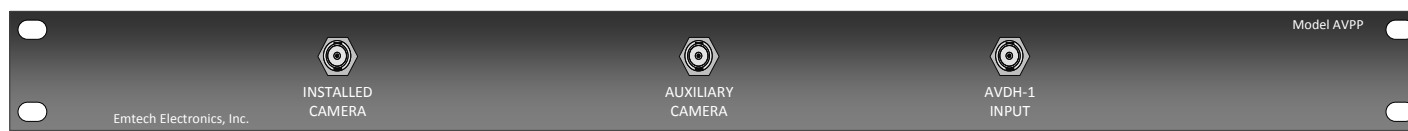
Satellite Dish



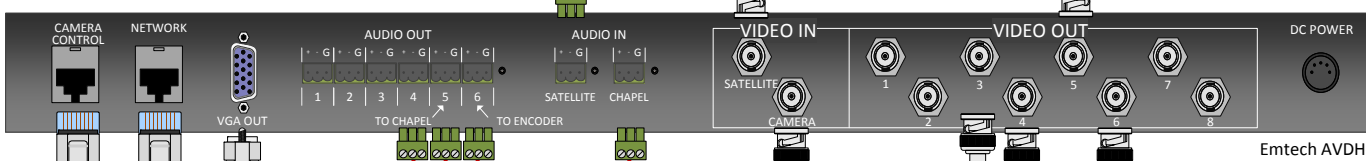
Sony EVI-D70 Camera (Chapel)



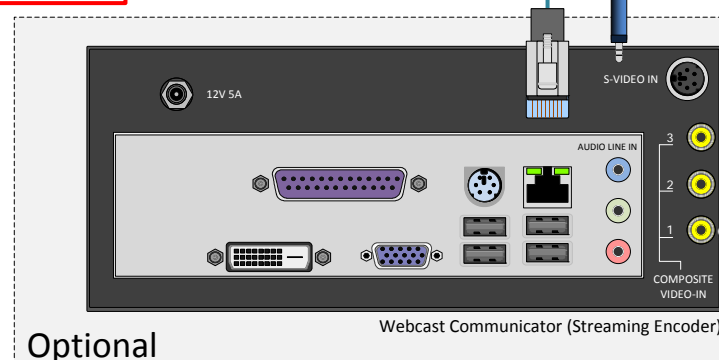
Satellite Receiver (Unity 552)



Emtech AVDH-1 (Camera Patch Panel)



Emtech AVDH-1



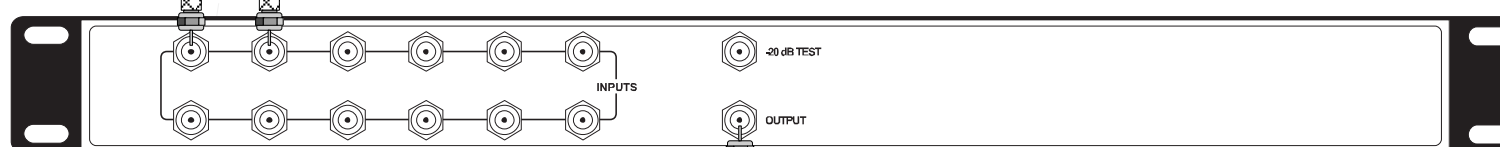
Optional Webcast Communicator (Streaming Encoder)



Analog RF Modulator (Language-1)



Analog RF Modulator (Language-2)



Passive RF Combiner

Note:

AVDH-1 Camera Patch Panel is to be installed with a BNC-Male to BNC-Male Patch Cable between INSTALLED CAMERA and AVDH-1 CAMERA-IN on front of panel. If there is no Installed Camera, connect the patch cable between AUX CAMERA and AVDH-1 CAMERA-IN

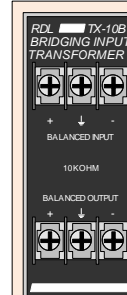
RS-232 Maximum Cable Length

The maximum cable length for RS-232 is 50ft, but in practise depends on baud rate, cable specific capacitance and ambient noise. The table below contains some rules-of-thumb from experiments done by Texas Instruments years ago.

Baud rate	Maximum range / cable length (18-24AWG)
19200	50ft
9600	500ft
4800	1000ft
2400	3000ft

#1

To eliminate audio hum from the Chapel sound system, the installation of an RDL TX-10B BRIDGING INPUT TRANSFORMER may be necessary between the Chapel audio feed and the AVDH-1 rear panel CHAPEL audio input.



#2

Note:

Sites with ASL (American Sign Language) satellite reception require an additional satellite receiver and analog RF modulator. There are no connections between the ASL equipment and the AVDH-1. The modulated RF output for ASL is connected to the passive RF combiner.

Combined Modulated Channels to Meetinghouse Rooms

Line Level Audio from Chapel

Primary Audio to Chapel

VGA to Chapel Podium

Composite Video to Chapel Podium

Composite Video from Chapel (Aux Camera) - Pre-existing